

The Hebrew University of Jerusalem

Syllabus

ENVIRONMENTAL HEALTH - 98409

Last update 10-03-2025

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Public Health

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Ein Karem

Course/Module Coordinator: Prof. Raanan Raz

Coordinator Email: razraanan@gmail.com

Coordinator Office Hours: please coordinate by email

Teaching Staff:

Prof. Raanan Raz,
Dr. Hadas Magenmolho

Course/Module description:

This course is intended for students with formal background in epidemiology, public health and statistics, and it deals with key issues in human and environmental health.

Course/Module aims:

*Providing scientific knowledge and insights in the course's areas of study;
Increasing awareness and encouraging solution-oriented systemic thinking in dealing with key environmental-health challenges.*

Learning outcomes - On successful completion of this module, students should be able to:

- 1. Get to know and understand key concepts and issues in health and the environment as taught in the course.*
- 2. Understand the importance of the field and leverage the knowledge learned to deal with environmental-health challenges in relevant circles of influence in a solution-oriented manner.*

Attendance requirements(%):

80

Teaching arrangement and method of instruction: Frontal lectures; materials and study aids on the course website in Moodle.

Course/Module Content:

- 1. Environmental and human health, planetary health/sustainability.*
- 2. Environmental epidemiology.*
- 3. Environmental toxicology; endocrine disruptors, pesticides, heavy metals.*
- 4. Ambient and indoor- air pollution.*
- 5. Water, soil, waste pollution.*
- 6. Plastic pollution – micro-/nano-/plastic additives.*
- 7. Ionizing and non-ionizing radiation.*
- 8. Occupational health.*
- 9. The built environment/urban environment.*
- 10. From science to policy.*
- 11. Climate change and health.*
- 12. Sustainability in health systems.*

Required Reading:

Will be informed on the course website in Moodle.

Additional Reading Material:

Grading Scheme:

Written Exam % 100

Additional information: